

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/757459	US-PGPUB; USPAT	OR	ON	2007/05/14 01:13
S2	564	349/153.ccls.	US-PGPUB; USPAT	OR	ON	2005/05/10 10:28
S3	7	("20020047980"   "5459598"   "6137559"   "6219126"   "6222603"   "6542215"   "6552769").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 15:52
S4	5	("5326420"   "5410423"   "5499127"   "5517344"   "5798813").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 15:55
S5	4	("4094058"   "5193019"   "5355236"   "5381255").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 15:56
S6	5	(US-6734943-\$ or US-6222603-\$ or US-5798813-\$ or US-4094058-\$ or US-6646689-\$).did.	USPAT	OR	ON	2005/05/09 17:35
S7	8	("5033824"   "5193021"   "5212575"   "5504601"   "5777710"   "5838409"   "5905558"   "RE28891").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 17:58
S8	1	("6388728").URPN.	USPAT	OR	ON	2005/05/09 17:58
S9	0	("2001/0050748").URPN.	USPAT	OR	ON	2005/05/09 18:04
S10	0	("2001/0050748").URPN.	USPAT	OR	ON	2005/05/09 18:24
S11	1166	ink-jet and (liquid adj crystal)	USPAT	OR	ON	2005/05/09 18:33
S12	670	S11 and drop\$	USPAT	OR	ON	2005/05/09 18:25
S13	721	S11 and (pressure atmospher\$)	USPAT	OR	ON	2005/05/09 18:25
S14	515	S13 and S12	USPAT	OR	ON	2005/05/09 18:31
S17	204	S14 and ("atmospheres" atm)	US-PGPUB; USPAT	OR	ON	2005/05/09 18:31
S18	117	S14 and Pa	USPAT	OR	ON	2005/05/09 18:35
S19	1182	ink-jet with pressure	USPAT	OR	ON	2005/05/09 18:35
S20	46	S19 with vacuum	USPAT	OR	ON	2005/05/09 18:44
S21	18398	pascal	USPAT	OR	ON	2005/05/09 18:44
S22	2660	S21 with pressure	USPAT	OR	ON	2005/05/09 18:44
S23	8	S22 and ink-jet	USPAT	OR	ON	2005/05/09 18:45
S24	163	S22 and atmospheres	USPAT	OR	OFF	2005/05/09 18:51
S25	5	"20000" adj pascal	USPAT	OR	OFF	2005/05/09 18:51
S26	4	"20000" adj pascals	USPAT	OR	OFF	2005/05/09 18:53
S27	0	".2 atms"	USPAT	OR	OFF	2005/05/09 18:54
S28	0	".2" adj atms	USPAT	OR	OFF	2005/05/09 18:54

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S29	1155	"100" adj pa	USPAT	OR	OFF	2005/05/09 18:55
S30	944	S29 and pressure	USPAT	OR	OFF	2005/05/09 18:54
S31	6	S30 and ink-jet	USPAT	OR	OFF	2005/05/09 18:54
S32	70	"100" adj pas	USPAT	OR	OFF	2005/05/09 18:55
S33	1	S32 and ink-jet	USPAT	OR	OFF	2005/05/09 18:56
S34	27	ink adj jet and "100" adj pa	USPAT	OR	OFF	2005/05/09 19:03
S36	0	10/758844	US-PGPUB; USPAT	OR	ON	2005/05/09 19:22
S37	1167	dial adj plate	US-PGPUB; USPAT	OR	ON	2005/05/09 19:22
S38	100	S37 and (liquid adj crystal)	US-PGPUB; USPAT	OR	ON	2005/05/09 19:22
S39	308	drop with both with substrates	US-PGPUB; USPAT	OR	ON	2005/05/10 10:28
S40	52	S39 and (liquid adj crystal)	US-PGPUB; USPAT	OR	ON	2005/05/10 10:32
S41	102	349/190.ccls. and (not 349/153.ccls. )	US-PGPUB; USPAT	OR	ON	2005/05/10 10:42
S42	4172	two with liquid adj crystal adj layer	US-PGPUB; USPAT	OR	ON	2005/05/10 10:43
S43	639	S42 and drop	US-PGPUB; USPAT	OR	ON	2005/05/10 10:43
S44	191	two adj liquid adj crystal adj layer	US-PGPUB; USPAT	OR	ON	2005/05/10 10:51
S45	471	vacuum with pascal	US-PGPUB; USPAT	OR	ON	2005/05/10 10:51
S46	4	S45 and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/05/10 10:52
S47	1299	vacuum with atm	US-PGPUB; USPAT	OR	ON	2005/05/10 10:52
S48	633	S47 with pressure	US-PGPUB; USPAT	OR	ON	2005/05/10 10:53
S49	5	S48 and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/05/10 10:55
S50	858	"pa" and "liquid crystal" and ((ink-jet) (ink adj jet))	US-PGPUB; USPAT	OR	OFF	2005/05/10 10:56
S51	412	"pa" with pressure and "liquid crystal" and ((ink-jet) (ink adj jet))	US-PGPUB; USPAT	OR	OFF	2005/05/10 10:57
S52	16	S51 and "349"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/05/10 10:57
S53	1	"6646689".pn.	US-PGPUB; USPAT	OR	ON	2005/08/22 15:10

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S54	829	349/156,158.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/22 15:51
S56	407	seal with first adj substrate and seal with second adj substrate and liquid adj crystal	US-PGPUB; USPAT	OR	ON	2005/08/22 15:21
S57	2	hsiao-kun-hsing.in.	US-PGPUB; USPAT	OR	ON	2005/08/22 15:22
S58	45	pang-jia-pang.in.	US-PGPUB; USPAT	OR	ON	2005/08/22 15:22
S59	601	349/153.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/22 17:43
S62	1	09/740552	US-PGPUB; USPAT	OR	ON	2005/08/22 17:47
S63	1	"6104466".pn.	US-PGPUB; USPAT	OR	ON	2005/08/22 17:47
S64	8	("5508832"   "5729319"   "5766694"   "5798814"   "5831710").PN. OR ("6104466").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/22 17:48
S65	13	("3719981"   "4640583"   "5284796"   "5519524"   "5611481"   "5770826"   "6020946"   "6061114"   "6104466"   "6124914"   "6136047"   "6179679"   "6195146").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/22 17:50
S66	828	349/187.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/22 18:45
S67	5	seal with interlock\$5 and "349"/\$. ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/22 18:45
S68	3	("4043647"   "5831710"   "6104466").PN. OR ("6177975"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 12:22
S69	217	seal with (both adj substrates) and liquid adj crystal	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 13:40
S70	2197	"349"/\$.ccls. and drop\$5 and seal\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 13:40
S71	1191	"349"/\$.ccls. and drop\$5 with liquid adj crystal and seal\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 13:40
S72	72	drop with liquid adj crystal with heat\$5	US-PGPUB; USPAT	OR	ON	2005/08/23 15:44
S73	2	drop with liquid adj crystal same heat\$5 adj substrate	US-PGPUB; USPAT	OR	ON	2005/08/23 15:47

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S74	17	sakurada-kazuaki.in.	US-PGPUB; USPAT	OR	ON	2005/08/23 15:45
S75	8	drop\$4 with liquid adj crystal same heat\$5 adj substrate	US-PGPUB; USPAT	OR	ON	2005/08/23 15:49
S76	452	drop\$4 with liquid adj crystal same heat\$5	US-PGPUB; USPAT	OR	ON	2005/08/23 17:46
S77	2	drop\$4 with ((atm pascal pa) and liquid adj crystal) same heat\$5	US-PGPUB; USPAT	OR	ON	2005/08/23 17:47
S78	8	drop\$4 same ((atm pascal pa) and liquid adj crystal) same heat\$5	US-PGPUB; USPAT	OR	ON	2005/08/23 17:49
S79	210	(drop\$5 ink adj jet "ink jet") same ((atm pascal pa) and liquid adj crystal) same heat\$5	US-PGPUB; USPAT	OR	ON	2005/08/23 17:50
S80	10	(drop\$5 ink adj jet ink-jet) same ((atm pascal pa) and liquid adj crystal) same heat\$5	US-PGPUB; USPAT	OR	ON	2005/08/23 17:51
S81	7	liquid adj crystal with (reduced adj pressure) with (Pa pascal atm mmhg)".	US-PGPUB; USPAT	OR	ON	2005/08/23 17:53
S82	1506	"349"/\$.ccls. and (dropping droplet drop-let)	US-PGPUB; USPAT	OR	ON	2005/08/23 18:08
S83	222	S82 and (pa atm mmhg pascal)	US-PGPUB; USPAT	OR	ON	2005/08/23 17:54
S84	69	S82 and pressure with (pa atm mmhg pascal)	US-PGPUB; USPAT	OR	ON	2005/08/23 17:54
S85	5	("5326420"   "5410423"   "5499127"   "5517344"   "5798813").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 18:03
S86	21	"349"/\$.ccls. and "100" adj "pa" and vacuum	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 15:22
S87	112	"349"/\$.ccls. and (dropping droplet drop-let) with vacuum	US-PGPUB; USPAT	OR	ON	2005/08/23 18:08
S88	381	drop\$5 with liquid adj crystal same vacuum	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:20
S89	0	drop\$5 with liquid adj crystal same vacuum same "1000 pa"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:21
S90	0	drop\$5 with liquid adj crystal same "1000 pa"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:22
S91	0	drop\$5 with liquid adj crystal same "1 torr"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:23

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S92	0	drop\$5 with liquid adj crystal same "1" adj torr	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:24
S93	11184	"1" adj torr	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:24
S94	681	S93 and liquid adj crystal	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:24
S95	254	S94 and (drop\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:24
S96	23	drop\$5 with liquid adj crystal and "1" adj torr	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:30
S97	2	drop\$5 with liquid adj crystal and "1" adj mmhg	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:31
S98	0	drop\$5 with liquid adj crystal and "1" adj millibar	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 16:31
S99	1	09/735847	US-PGPUB; USPAT	OR	ON	2005/08/24 16:33
S10 0	392	"349"/\$.ccls. and (ink adj jet ink-jet)	US-PGPUB; USPAT	OR	ON	2005/08/24 17:03
S10 1	85	"349"/\$.ccls. and (ink adj jet ink-jet) and drop\$5 with liquid adj crystal	US-PGPUB; USPAT	OR	ON	2005/08/24 17:21
S10 2	15	"2001330840"	US-PGPUB; USPAT; JPO	OR	ON	2005/08/24 17:35
S10 3	42	liquid adj crystal with discharge with (ink adj jet ink-jet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 17:40
S10 4	88	(drop\$5 with liquid adj crystal) with (ink-jet ink adj jet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 18:11
S10 5	1	(continuous\$3 adj drop\$5 with liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 18:14

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S10 6	5	(continuous\$3 adj drop\$5) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 18:14
S10 7	152	(continuous\$3 with drop\$5) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 18:15
S10 8	210	349/189.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 18:15
S10 9	11	("1922458"   "4099550"   "4441532"   "4597421"   "4753276"   "4922972"   "5010930"   "5029623"   "5269351"   "5281450").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 18:21
S11 0	4	("5263888"   "6001203"   "6055035"   "6304311").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 18:29
S11 1	1	10/778317	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 18:53
S11 2	17	sakurada-kazuaki.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 18:56
S11 3	656	pour\$4 with liquid adj crystal	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 19:06
S11 4	376	S113 and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 19:06
S11 5	1	10/757459	US-PGPUB; USPAT	OR	ON	2006/03/27 14:39
S11 6	28	ink adj jet with (drop) with liquid adj crystal	US-PGPUB; USPAT	OR	ON	2006/03/27 16:23
S11 7	1	"20010004281"	US-PGPUB; USPAT	OR	ON	2006/03/27 16:15
S11 8	8	("20020060713"   "20030184613"   "20030215957"   "6039211"   "6210245"   "6220912"   "6506611"   "6637476").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 16:21

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S11 9	80	ink adj jet with (drop\$5) with liquid adj crystal	US-PGPUB; USPAT	OR	ON	2006/03/29 18:37
S12 0	1	"20030080633"	US-PGPUB; USPAT	OR	ON	2006/03/28 14:15
S12 1	1	"20010004281"	US-PGPUB; USPAT	OR	ON	2006/03/30 15:30
S12 2	2	"349"/\$.ccls. and (drop with multiple with nozzle)	US-PGPUB; USPAT	OR	ON	2006/03/30 15:31
S12 3	22	"349"/\$.ccls. and ((ink adj jet ink-jet)with plurality with nozzle)	US-PGPUB; USPAT	OR	ON	2006/03/30 15:33
S12 4	24	"349"/\$.ccls. and ((ink adj jet ink-jet) with (plurality multiple) with nozzle)	US-PGPUB; USPAT	OR	ON	2006/03/30 17:53
S12 5	1	10/652511	US-PGPUB; USPAT	OR	ON	2006/03/30 18:59
S12 6	1	10/757459	US-PGPUB; USPAT	OR	ON	2006/09/18 05:42
S12 7	1	"20020063842"	US-PGPUB; USPAT	OR	ON	2006/09/18 05:44
S12 8	1	2001/0004281	US-PGPUB; USPAT	OR	ON	2006/09/18 05:45
S12 9	1	"20010004281"	US-PGPUB; USPAT	OR	ON	2006/09/18 05:46
S13 0	7	sealing with ink-jet and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/18 06:17
S13 1	1	"6623903".pn.	US-PGPUB; USPAT	OR	ON	2006/09/18 06:17
S13 2	71	yamada.in. and pet with substrate	US-PGPUB; USPAT	OR	ON	2006/09/18 06:22
S13 3	20	yamada.in. and pet with substrate and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/18 06:22
S13 4	23425	yamada.in. and pet with substrate and flexible "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/18 06:22
S13 5	5	yamada.in. and pet with substrate and flexible and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/18 06:32
S13 6	41	columnar adj spacer with pattern and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/18 06:50
S13 7	1	"20010004281"	US-PGPUB; USPAT	OR	ON	2007/05/14 00:56
S13 8	1	"20030090609"	US-PGPUB; USPAT	OR	ON	2007/05/14 01:00
S13 9	0	"6476899.pn"	US-PGPUB; USPAT	OR	ON	2007/05/14 01:00

## EAST Search History

S14 0	1	"6476899".pn.	US-PGPUB; USPAT	OR	ON	2007/05/14 01:01
S14 1	350	"349"/\$.ccls. and (resin with filler)	US-PGPUB; USPAT	OR	ON	2007/05/14 01:17
S14 2	8	"349"/\$.ccls. and (resin with filler with "between" with seal\$5)	US-PGPUB; USPAT	OR	ON	2007/05/14 01:27
S14 3	17	resin with filler with gap and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/14 01:27
S14 4	1075	resin with gap and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/14 01:40
S14 5	420	resin with gap and seal and "349"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2007/05/14 01:28
S14 6	10	resin with (filler adj material) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/14 02:05
S14 7	57	vu-phu.xa.	US-PGPUB; USPAT	OR	ON	2007/05/14 02:08
S14 8	54	resin with "between" with (first and second) with seal and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/14 02:08
S14 9	6	("5793461"   "5877883"   "5995172"   "6357763"   "6369865"   "6573972").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:19
S15 0	2	"349"/\$.ccls. and ink-jet with dropping with (liquid adj crystal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:20
S15 1	54	"349"/\$.ccls. and ink-jet with (liquid adj crystal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:20
S15 2	9	"349"/\$.ccls. and ink-jet with dropping	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:21
S15 3	7	"349"/\$.ccls. and inkjet with dropping	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:21
S15 4	21	"349"/\$.ccls. and ink adj jet with dropping	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:22
S15 5	2	"349"/\$.ccls. and (odf) same (inkjet ink adj jet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:23
S15 6	286	"349"/\$.ccls. and (inkjet ink adj jet) and (drop dropping)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:23
S15 7	90	"349"/\$.ccls. and (inkjet ink adj jet) and (drop dropping) with (liquid adj crystal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:26



## EAST Search History

S15 8	1	10/757459	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:27
S15 9	91	"349"/\$.ccls. and moving with nozzle	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 02:28
S16 0	2	09/076,147	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 03:30
S16 1	1	"6476899".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 03:30